

From wang!elf.wang.com!ucsd.edu!info-hams-relay Sat Mar 23 06:20:33 1991 remote
from tosspot
Received: by tosspot (1.63/waf)
via UUCP; Sat, 23 Mar 91 09:47:50 EST
for lee
Received: from somewhere by elf.wang.com id aa09288; Sat, 23 Mar 91 6:20:32 GMT
Received: from ucsd.edu by relay1.UU.NET with SMTP
(5.61/UUNET-shadow-mx) id AA08246; Fri, 22 Mar 91 23:29:15 -0500
Received: by ucsd.edu; id AA06202
sendmail 5.64/UCSD-2.1-sun
Fri, 22 Mar 91 13:17:10 -0800 for brian
Received: by ucsd.edu; id AA06150
sendmail 5.64/UCSD-2.1-sun
Fri, 22 Mar 91 13:16:57 -0800 for /usr/lib/sendmail -oc -odb -oQ/var/spool/
lqueue -oi -finfo-hams-relay info-hams-list
Message-Id: <9103222116.AA06150@ucsd.edu>
Date: Fri, 22 Mar 91 13:16:55 PST
From: Info-Hams Mailing List and Newsgroup <info-hams-relay@ucsd.edu>
Reply-To: Info-Hams@ucsd.edu
Subject: Info-Hams Digest V91 #229
To: Info-Hams@ucsd.edu

Info-Hams Digest Fri, 22 Mar 91 Volume 91 : Issue 229

Today's Topics:

- Hypercard HamStack Articles Part 1 of 8
- Hypercard HamStack Articles Part 2 of 8
- Hypercard HamStack Articles Part 5 of 8
- Hypercard HamStack Articles Part 6 of 8
- Hypercard HamStack Articles Part 8 of 8
- Monthly On-Line Elmers Resource Directory

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 18 Mar 91 15:39:46 GMT
From: genrad!dls@husc6.harvard.edu
Subject: Hypercard HamStack Articles Part 1 of 8

To: info-hams@ucsd.edu

Howdy! I'm posting all of my current "hambugs" articles for anyone who desires to update their older version hamstacks to the latest versions. Version upgrade for Novice 3.2 is a LONG one and unnecessary to the working of the stacks, so if you just want to fix questions, don't add it. Version upgrade for Tech 3.2 (and General, Advanced and Extra 2.2) relies on this LONG Novice 3.2 upgrade. Again, it's simply adding a new feature and not fixing any buggy questions and is unnecessary to the functioning of the stacks.

Note that I'm making this posting to rec.ham-radio rather than rec.radio.amateur.misc....which at the moment doe not exist for me.....someone did a rmgroup of all rec.radio.amateur groups :-).

Here's an index to the articles that follows:

Part 1 of 8: This intro plus Hamstack announcement

Part 2 of 8: General Directions for fixing bugs in Hamstacks

Part 3 of 8: Update from Novice 3.0 to Novice 3.1 - NoCode changes

Part 4 of 8: Update from Novice 3.1 to Novice 3.2 - LONG!

Part 5 of 8: Update from Tech 3.0 to Tech 3.2 - NoCode changes

 General 2.0 to General 2.1

 Advanced 2.0 to Advanced 2.1

 Extra 2.0 to Extra 2.1

Part 6 of 8: Update from Tech 3.1 to Tech 3.2 - requires Part 4 of 8

 General 2.1 to General 2.2

 Advanced 2.1 to General 2.2

 Extra 2.1 to Extra 2.2

Part 7 of 8: Update from Tech 3.2 to Tech 3.3 - buggy questions

Part 8 of 8: Update from Tech 3.3 to Tech 3.4 - buggy questions

HamStack Announcement:

LATEST VERSIONS: Novice v3.2, Technician v3.4, General v2.2,
 ^^^^
 Advanced v2.2, Extra v2.2

This is another announcement about the MacIntosh HamStacks which I have created. If you are not interested, press 'n' now.

I have created five HyperCard stacks to help people practice for the written Amateur Radio tests. There is one stack for each of Novice, Technician, General, Advanced and Extra questions. Each stack is an interactive multiple-choice test, created from the entire question pool for that class of license. The test is randomly generated, using the algorithms provided for each of the tests from ARRL, so this is a real-live simulation of the tests you will get in front of a VE. There are some

print capabilities (you can print a test with a separate answer key, but it's slow. you can also print your results of how well you did, along with the accompanying correct answer key) and at the end of each test, it will tell you how well you did, allow you to review the missed questions, and allow you to take another randomly generated test. If you can consistently score over 90 on the tests, it's almost a sure guarantee that you will be able to take and pass the VE proctored test.

Note that these stacks will only work on a MacIntosh computer. HyperCard version 1.2 or later is required; they were generated with HyperCard version 1.2. Because HyperCard data is NOT stored in any ASCII form, there is no way that this data can be used on other computers, including IBM PCs, so please don't ask for the impossible. Also, I do NOT have access to email these stacks over the computerwaves, nor do I have ftp capability. There are a couple of sites which are supporting these stacks via ftp, as follows:

These stacks are supported by ftp by Charley Kline, c-kline@uiuc.edu. To access the files, type "ftp uxc.cso.uiuc.edu", log in as "anonymous", with your email address as the password. Type "binary" at the prompt, then type "cd pub/ham-radio". The five hamstacks are : novice-v3.2.hqx.Z, technician-v3.3.hqx.Z, general-v2.2.hqx.Z, advanced-v2.2.hqx.Z, and extra-v2.2.hqx.Z (or similar names). To retrieve one of the files, (for example, the Novice one), type "get novice-v3.2.hqx.Z". When you're finished retrieving all the files you want, type "quit" to exit ftp. Each file must be uncompressed before moving it to the Mac: "uncompress novice-v3.2.hqx.Z". The files must then be un-binxed by UnStuffit, then unstuffed by UnStuffit. [The latest hamstacks should be accessible after March 4, 1991, dls]

Another ftp site also used to support them. I don't believe they have the latest versions, and I don't have any name to send them to, but here's the information I have concerning the other site. The hamstacks are available via anonymous ftp at apple.com and the files are stored in the /pub/ham-radio directory. [If someone at Apple wants to update these files, they should probably contact me, dls]

The latest versions of the stacks are shown below, and are compressed with Stuffit Classic. UnStuffit is included on the diskette. These versions include modifications for NoCode (very minor changes from v3.0 or v2.0).

I have written changes that could be posted for the updates from v3.0 (Novice or Technician) or v2.0 (General, Advanced, or Extra). Changes from Tech v3.2 to v3.3 (and to v3.4) could also be applied directly to v3.0 to fix some wrong questions. Note that there have been no questions changed in General or Advanced stacks. All have an improved report printing and (new) saved scores capability.

Novice version 3.2

Technician version 3.4

General version 2.2

Advanced version 2.2
Extra version 2.2

If you wish to receive these PUBLIC DOMAIN stacks from me, please send me a SASE (self addressed STAMPED envelope - 2 ounces postage = .52) and 800K diskette. I will no longer send out the stacks unless the envelope has sufficient postage for return mail (in general, that means .52-.98, depending on size of envelope) and for those who send a standard business envelope, I take no responsibility for the condition of the diskette through USnail.

Thank you for your attention.

Diana L. Syriac
49A Meadow Pond Drive
Leominster, MA 01453

```
->Diana L. Syriac      dls@genrad.com      Ham: KC1SP (Sweet Pea)      <-  
->I'D RATHER BE FLYING! P-ASEL, INST      CAP: 1LT, Freedom 690 Mobile<--  
->GenRad              AD ASTRA, PER ASPERA      <--  
->MS/6, 300 Baker Ave, Concord, Mass. 01742 (508) 369-4400 x2459      <--
```

Date: 18 Mar 91 15:43:15 GMT
From: genrad!dls@husc6.harvard.edu
Subject: Hypercard HamStack Articles Part 2 of 8
To: info-hams@ucsd.edu

18-Mar-91 10:19 dls Updated

This is a reposting of a previous posting that I made to describe how to fix minor problems in my Ham Stacks. For any who have (or may have in the future) these Ham Stacks, I suggest that you print this and save it, since these are general directions and not specific to any one of the stacks. Others can press 'n' now.

One more thing: If you DO find and fix any "bugs" in these stacks, PLEASE send me your corrections, so that I can fix my own stacks. Email the list to dls@genrad.com. I will need the Stack name (Novice, etc.), Stack version (found on the help card), card name (or first word of question, like 2A-1.1, which is always unique), and a description of the problem. And THANKS!

MSG: means type the following into the message box. You can get a message box at any time by pressing Ctrl M (in HyperCard, that is).
Menuitem->Menuchoice: means choose the menu item as specified.

There are three major types of bugs in these stacks: 1. Misspelled words in the question or answers, 2. Incorrect answer choice, 3. Incorrect card name, causing card to never be accessed.

To fix these stacks yourself (expert HyperCard users, please bear with me, this is written for an uninitiated user), first do the following (these commands can be done from ANY CARD in the stack):

1. Ctrl M to get the message box.
2. MSG: set userlevel to 5
3. MSG: show menubar

If you are using recent ham stacks (Novice and Tech v3.0 or greater or General, Advanced, Extra v2.0 or greater), AND you have not yet entered the Ham Stacks (ie, you're still on the Home page), there's an easier way to get started that is faster (this option stops the automatic random generation of a test). If you're already inside the Ham Stack, use the above method instead.

- 1a. At Home (or anywhere outside the Ham Stacks), Ctrl M to get the message box.
- 2a. MSG: put true into hamstacktest
- 3a. Now enter any Ham Stack in normal fashion.

4A. To correct misspelled words in question or answers, first go to the card in question...you're probably already there....but if not, type in message box "go to card "#123"" (assuming you want card #123).

- a. Tools->Field (top far right ICON).
- b. Select the field to fix by clicking in that field.
- c. Objects->Field Info
- d. Uncheck "Lock Text" (click in the checkbox).
- e. Tools->Browse (top far left ICON).
- f. Edit the text in the field as necessary to correct it.
- g*. Repeat Steps a-c to get to the Field Info again.
- h*. Check "Lock Text" (click in the checkbox).
- i*. Tools->Browse

CORRECTION COMPLETE.

*(If you are doing a lot of typo corrections, it's sometimes easier to unlock all of the answers and question, fix all of the typos, even on other cards, THEN lock all of the answers and question. Just don't forget to lock them when you are done, or you take the chance of inadvertently changing or destroying the text accidentally while taking the test.)

4B. To correct incorrect answer choice, first go to the card in question... as described in 4A above.

- a. Go to card script, either by holding down Option and Ctrl keys, and pressing C (only works with HyperCard v1.1 or newer), or by Objects->Card Info, then click the Script button.
- b. Edit the answer line as appropriate. To choose A as the answer,

this line should be in script:

put "A" into rightone

NOTE that the letter should be capitalized.

c. Press OK button.

CORRECTION COMPLETE (Note this correction will not actually appear until the NEXT time you come to this card, so it's not obvious that it has been fixed).

4C. To correct the card name....this one's more difficult. First you must figure out what IS the right card name....unless you already know (ie, I tell you). The symptom of THIS bug is that when you press the NEXT arrow, nothing happens, but when you press the NEXT arrow a second time, it goes to the question AFTER the next question. Pressing PREV arrow twice will get you to the question BEFORE the bad question.

- a. To determine the right card name, look at the question number of the previous question (say 20), add one to it, then type in the message box:
put item 21 of questlist
- b. The correct card name will appear in the message box.
- c. Now go to the PREVIOUS card (let's say the card you want is #122) by typing in the message box:
go to card "#121"
- d. Now go to the next card by Go->Next. DON'T use the NEXT arrow at the bottom of the card!!! You already know that doesn't work.
- e. Objects->Card Info.
- f. Edit the correct name into the card field. It should be a number sign (#) followed by the card number you want (if this is the 10th card in the stack, the card name will be #8; card name is always 2 less than its card sequence in the stack).
CORRECTION COMPLETE

5. The stack has now been fixed, and you don't HAVE to hide the menubar and change the userlevel to use the test, but when you come back into the stack for the first time after the fix, these will have been set to their correct state. Here's how to fix these without exiting the stack:

- a. MSG: hide menubar
- b. MSG: set userlevel to 1
- c. If you want to regenerate a new test, Go->First, then
MSG: buildlist

CHEERS!

Diana

->Diana L. Syriac dls@genrad.com

->I'D RATHER BE FLYING! P-ASEL, INST

Ham: KC1SP (Sweet Pea)

CAP: 1LT, Freedom 690 Mobile <-

->GenRad AD ASTRA, PER ASPERA <-
->MS/6, 300 Baker Ave, Concord, Mass. 01742 (508) 369-4400 x2459 <-

Date: 18 Mar 91 15:46:22 GMT
From: genrad!dls@husc6.harvard.edu
Subject: Hypercard HamStack Articles Part 5 of 8
To: info-hams@ucsd.edu

11-Feb-91 09:34 dls Updates for NoCode changes
BUGS to fix in HyperCard Ham Stacks

This assumes that you already have the article on how to fix bugs in my HyperCard Ham Stacks. If you don't have this, ASK for it. It gives a general description of how to fix the most LIKELY bugs in the Ham Stacks.

This contains the following updates:

Technician Ham Stack v3.0 CHANGES to get to v3.1 - changes for NoCode
license
General Ham Stack v3.0 CHANGES to get to v3.1 - changes for NoCode
license
Advanced Ham Stack v3.0 CHANGES to get to v3.1 - changes for NoCode
license
Extra Ham Stack v3.0 CHANGES to get to v3.1 - changes for NoCode
license

<Angle brackets give an explanation of the fix>

MSG: means type the following into the message box. You can get a message box at any time by pressing Ctrl M (in HyperCard, that is).

Menuitem->Menuchoice: means choose the menu item as specified.

Before opening ham stack, pull up a message box and type:

put true into hamstacktest

Now open ham stack.

Technician Ham Stack v3.0 CHANGES to get to v3.1:

<The next change remove a question for the NoCode modification. Due to the method I use to randomly generate tests, I need to keep the same number of questions.....so I simply copy a valid question to use for the deleted question. Eventually, I expect the deleted questions will be REPLACED by equivalent valid NoCode questions. For now, this will prevent the questions from being accessed.>

1. a. MSG: go card "#3" <remove card 3AA-2.1>
b. Edit->Delete Card

- c. Edit->Copy Card <copies card #4>
- d. Edit->Paste Card
- e. Go->Prev <goes to DUPLICATE card #4>
- f. Objects->Card Info
- g. Change card name from "#4" to "#3" <this is card number 5>
- h. Click OK

2.
 - a. Go->First <minor fix in scripts>
 - b. Objects->Card Info, Click Script
 - c. Delete "immediate," from second line (which starts "global")
 - d. Cut third line: "put true into immediate"
 - e. Click OK
 - f. Objects->Stack Info, Click Script
 - g. Add ", immediate" to end of second line (which starts "global")
 - h. Paste a new third line: "put true into immediate"
 - i. Click OK
 - j. Hold down Option & Control and click on "Exam" button to get to its script.
 - k. Change all occurrences of "card id 11003" to "card report" (there may be one or two), change "field id 6" to "field QMissed", click OK.

<change version>

3.
 - a. Go to help card (click the ? button on first card)
 - b. Change first line from "Version 3.0 1-Nov-90" to "Version 3.1 5-Feb-91"
 - c. Change second paragraph from "July 1, 1990 until October 31, 1992" to "February 14, 1991 until October 3, 1992 (includes NoCode changes)"

< You may also want to change the Version number specified in the Info: Exit HyperCard, Click on Technician Ham Test, File->Get Info, Change "3.0" to "3.1". >

- d. Click Compact Stack button, Update COMPLETE!

General Ham Stack v2.0 CHANGES to get to v2.1:

<There are no question changes for the General Ham Stack for NoCode>

1.
 - a. Repeat Technician step 2 above to fix minor error in script.

<change version>

3.
 - a. Go to help card (click the ? button on first card)
 - b. Change first line from "Version 2.0 1-Nov-90" to "Version 2.1 9-Feb-91"
 - c. Change second paragraph from "July 1, 1990 until October 31, 1992" to "February 14, 1991 until October 3, 1992 (includes NoCode changes)"

< You may also want to change the Version number specified in the Info: Exit HyperCard, Click on General Ham Test, File->Get Info, Change "2.0" to "2.1". >

d. Click Compact Stack button, Update COMPLETE!

Advanced Ham Stack v2.0 CHANGES to get to v2.1:

<There are no question changes for the General Ham Stack for NoCode>

1. a. Repeat Technician step 2 above to fix minor error in script.
2. a. Repeat General step 2 above to update version, except replace "General" with "Advanced" in the steps.

Extra Ham Stack v2.0 CHANGES to get to v2.1:

<The next change remove a question for the NoCode modification. Due to the method I use to randomly generate tests, I need to keep the same number of questions.....so I simply copy a valid question to use for the deleted question. Eventually, I expect the deleted questions will be REPLACED by equivalent valid NoCode questions. For now, this will prevent the questions from being accessed.>

1. a. MSG: go card "#93" <remove card 4BA-7B.4>
b. Objects->Card Info, uncheck "Don't Delete Card" box, click OK.
c. Edit->Delete Card
d. Edit->Copy Card <copies card #94>
e. Edit->Paste Card
f. Go->Prev <goes to DUPLICATE card #94>
g. Objects->Card Info
h. Change card name from "#94" to "#93" <this is card number 95>
i. Click OK
2. a. MSG: go card "#95" <remove card 4BA-7C.2>
b. Objects->Card Info, uncheck "Don't Delete Card" box, click OK.
c. Edit->Delete Card
d. Edit->Copy Card <copies card #96>
e. Edit->Paste Card
f. Go->Prev <goes to DUPLICATE card #96>
g. Objects->Card Info
h. Change card name from "#96" to "#95" <this is card number 97>
i. Click OK
3. a. Repeat Technician step 2 above to fix minor error in script.

4. a. Repeat General step 2 above to update version, except replace "General" with "Extra" in the steps.

```
->Diana L. Syriac      dls@genrad.com      Ham: KC1SP (Sweet Pea)      <-
->I'D RATHER BE FLYING! P-ASEL, INST      CAP: 1LT, Freedom 690 Mobile<-
->GenRad              AD ASTRA, PER ASPERA      <-
->MS/6, 300 Baker Ave, Concord, Mass. 01742 (508) 369-4400 x2459      <-
```

Date: 18 Mar 91 15:47:16 GMT
From: genrad!dls@husc6.harvard.edu
Subject: Hypercard HamStack Articles Part 6 of 8
To: info-hams@ucsd.edu

11-Feb-91 09:48 dls Updates for new feature

BUGS to fix in HyperCard Ham Stacks

This assumes that you already have the article on how to fix bugs in my HyperCard Ham Stacks. If you don't have this, ASK for it. It gives a general description of how to fix the most LIKELY bugs in the Ham Stacks.

This contains the following updates:

Technician Ham Stack v3.1 CHANGES to get to v3.2 - adds a new (but unnecessary for normal users!) feature to provide better score sheet printing, plus the capability to save scores for later printing. This assumes that the Novice ham stack has already been updated to version 3.2. If it hasn't, don't try to install this update! I repeat, this update is NOT NECESSARY for normal users.

General Ham Stack v2.1 CHANGES to get to v2.2 - same as above.

Advanced Ham Stack v2.1 CHANGES to get to v2.2 - same as above.

Extra Ham Stack v2.1 CHANGES to get to v2.2 - same as above.

<Angle brackets give an explanation of the fix>

MSG: means type the following into the message box. You can get a message box at any time by pressing Ctrl M (in HyperCard, that is).

Menuitem->Menuchoice: means choose the menu item as specified.

Technician Ham Stack v3.1 CHANGES to get to v3.2:

Before opening ham stacks, pull up a message box and type:
put true into hamstacktest

<The fixes below basically copy the Novice stack cards and makes modifications to them as necessary. Follow directions carefully. I suggest that you make a copy of the ham stacks BEFORE modifying them, just in case.>

1.
 - a. Open Novice stack <replace card report>
 - b. MSG: go card report
 - c. Edit->Copy Card
 - d. Open Technician stack
 - e. MSG: go card report
 - f. Edit->Paste Card
 - g. Go->Prev <this is the old card report>
 - h. Objects->Card Info, uncheck "Can't Delete Card", click OK
 - i. Edit->Delete Card
2.
 - a. Open Novice stack <modify first card>
 - b. Objects->Background Info, click Script
 - c. Copy (NOT CUT!!!) entire buildList and buildList1 script, click OK
 - d. Open Technician Stack
 - e. Objects->Background Info, click Script
 - f. Click at first character, then paste Novice scripts
 - g. Go down to old Technician buildList script and cut the 8 lines:

put "13,15,...." into questgrp

thru

put ",,....." into questkey

- h. Go back up to the newly pasted Novice buildList and replace these 8 lines by pasting, then cutting the "same" lines from that script (note that these Novice lines are DIFFERENT, but have the same basic form).
- i. Now, delete the old buildList and buildList1 (Technician) scripts. The Technician background script should be identical to the Novice script with the exception of the above 8 lines.
- j. Click OK.
- k. Objects->Stack Info, click Script
- l. Delete 4 lines "put empty ... into card K", click OK.

3.
 - a. Go to Novice stack <replace score card>
 - b. MSG: go card savedscores
 - c. Edit->Copy Card
 - d. Go to Technician stack
 - e. Go->Last
 - f. Edit->Paste Card
 - g. Go->Prev
 - h. Edit->Delete Card <unused K card>
4.
 - a. Go to Novice stack
 - b. Go to help card by clicking "?" button on first card
 - c. Copy the entire next to last paragraph that starts "There is a new button...."

- d. Go to Technician stack
- e. Go to help card by clicking "?" button on first card
- f. Insert the copied paragraph before last paragraph that starts "If you like this...."
- g. At top of help, change "3.1" to "3.2".

< You may also want to change the Version number specified in the Info: Exit HyperCard, Click on Technician Ham Test, File->Get Info, Change "3.1" to "3.2". >

- h. Click Compact Stack button, Update COMPLETE!

General Ham Stack v2.1 CHANGES to get to v2.2:

The General stack can be updated in a like manner as described above. Simply replace the word "Technician" with "General" and follow all other directions. The only other difference is that this is version v2.2 instead.

Advanced Ham Stack v2.1 CHANGES to get to v2.2:

The Advanced stack can be updated in a like manner as described above. Simply replace the word "Technician" with "Advanced" and follow all other directions. The only other difference is that this is version v2.2 instead.

Extra Ham Stack v2.1 CHANGES to get to v2.2

The Extra stack can be updated in a like manner as described above. Simply replace the word "Technician" with "Extra" and follow all other directions. The only other difference is that this is version v2.2 instead.

->Diana L. Syriac dls@genrad.com Ham: KC1SP (Sweet Pea) <-
->I'D RATHER BE FLYING! P-ASEL, INST CAP: 1LT, Freedom 690 Mobile<-
->GenRad AD ASTRA, PER ASPERA <-
->MS/6, 300 Baker Ave, Concord, Mass. 01742 (508) 369-4400 x2459 <-

Date: 18 Mar 91 15:48:51 GMT
From: genrad!dls@husc6.harvard.edu
Subject: Hypercard HamStack Articles Part 8 of 8
To: info-hams@ucsd.edu

18-Mar-91 08:31 dls Create for Tech v3.4

BUGS to fix in HyperCard Ham Stacks

This assumes that you already have the article on how to fix bugs in my HyperCard Ham Stacks. If you don't have this, ASK for it. It gives a general description of how to fix the most LIKELY bugs in the Ham Stacks.

This contains the following updates:

Technician Ham Stack v3.3 CHANGES to get to v3.4 - fixes bugs
found by rick furuta@cs.umd.edu THANKS!

<Angle brackets give an explanation of the fix>

MSG: means type the following into the message box. You can get a message box at any time by pressing Ctrl M (in HyperCard, that is).

MenuItem->Menuchoice: means choose the menu item as specified.

WDEF Virus

NOTE that Rick Furuta informed me that there was a WDEF virus on the diskettes that I've been sending out. I don't know how it got there, but he did tell me that it is easy to remove the virus: Before putting the diskette into the drive, hold down the Option and Cloverleaf buttons. Now (while holding down the buttons) install the diskette. The Mac asks you if you want to rebuild the directory structure. Answer YES. It takes only about 10 seconds to fix the diskette.

He also suggests (just to be on the safe side) that you also rebuild the directory structure of the hard drive (if you have one). Use the same procedure: Hold Option and Cloverleaf buttons while rebooting the disk. The Mac asks you if you want to rebuild the directory structure. Answer YES. It takes around 30 seconds to rebuild a full hard disk. The latest diskettes that I'm sending out (with Tech v3.4) have fixed this. Any previous diskettes are suspect and should be fixed.

NOTE that some "Virus Detectors" PREVENT you from fixing the diskette, they simply eject the diskette. To fix it, you will have to remove the "Virus Detector" temporarily, fix the diskette as described above, then reinstall the "Virus Detector" and the diskette can then be verified and installed correctly.

Thank you, Rick Furuta, for finding and helping me resolve this problem!

Technician Ham Stack v3.3 CHANGES to get to v3.4:

Before opening ham stacks, pull up a message box and type:
put true into hamstacktest

Now open Technician stack.

1. a. MSG: find "3AA-7-2.2" <typo in question 3AA-7-2.2>
b. Tools->Field (upper right icon)
c. Click on answer C text
d. Objects->Field Info, uncheck "Lock Text", click OK
e. Tools->Browse (upper left icon)
f. Change answer C to read:
The FCC rules do not specify a maximum frequency shift above 50 MHz.
g. Repeat steps b and c above
h. Objects->Field Info, check "Lock Text", click ok
i. Tools->Browse (upper left icon)
2. a. MSG: find "3AH-2-5.2" <reverse answers in 3AH-2.5.2>
b. Following similar directions to steps 1b-1i above, change answer B to read:
The type of information to be transmitted.
c. Following similar directions to steps 1b-1i above, change answer D to read:
The type of modulation of the main carrier.
3. a. MSG: find "3AH-7-1.1" <typo on question 3AH-7-1.1>
b. Following similar directions to steps 1b-1i above, change question. Replace "F3E" with "FM", all else in the question remains the same.

<The next two steps create an immediate feedback box similar to the one used in the Novice stack. A few people have commented that they like it better than the one currently being used in the Technician stack.>

4. a. Option-Control-B to get to background<add new bg field review> (alternately, one of the menus has a Background menuitem which does the same thing)
b. Objects->New Field
c. Double click on the newly created field (or Objects->Field Info does the same thing)
d. Set Field name to "review", click shadow for style, click "Lock Text", click OK
e. MSG: set the rect of bg field review to 339,119,498,137
f. MSG: set the textStyle of bg field review to bold
5. a. Objects->Background Info, click Script <modify on reView script>
b. Add a new third line to script "on openCard". Here's the new third line:
hide field review
c. scroll down to script "on reView" and change it so that it looks like this instead: (changed lines denoted by <<<)
on reView
global righttone, immediate

```

put "Correct answer is " & rightone into field review
<<<
if not immediate then
    wait 3 seconds
    show field review                <<<
    wait until the mouseClicked      <<<
else
    if hilite of background button rightone is false then
        show field review            <<<
        wait until the mouseClicked  <<<
    else
        -- show background button "Correct!"
    end if
end if
end reView
d.    Click OK

```

6.
 - a. MSG: go card report <add a stopwatch cursor>
 - b. Option-Control-C to get to card script (or Objects->Card Info, then click Script to do the same thing)
 - c. Add a new line immediately after the "globals" line in script "on openCard":
 set cursor to 4
 - d. Click OK
7.
 - a. Go to help card (Go->First, then click ?) <change version>
 - b. Change first line from "3.3 24-Feb-91" to "3.4 16-Mar-91"
 - c. Click "Compact Stack"
 - d. MSG: put false into hamstacktest
 - e. go to Home stack by clicking on any house, UPDATE COMPLETE!

< You may also want to change the Version number specified in the Info: Exit HyperCard, Click on Technician Ham Test, File->Get Info, Change "3.3" to "3.4". >

```

->Diana L. Syriac      dls@genrad.com      Ham: KC1SP (Sweet Pea)      <-
->I'D RATHER BE FLYING! P-ASEL, INST      CAP: 1LT, Freedom 690 Mobile<-
->GenRad              AD ASTRA, PER ASPERA      <-
->MS/6, 300 Baker Ave, Concord, Mass. 01742 (508) 369-4400 x2459      <-

```

Date: 22 Mar 91 00:42:34 GMT
 From: dog.ee.lbl.gov!ncis.tis.llnl.gov!lll-winken!uwm.edu!caen!kuhub.cc.ukans.edu!
 zeus.unomaha.edu!acmnews@ucsd.edu
 Subject: Monthly On-Line Elmers Resource Directory

To: info-hams@ucsd.edu

(Note: Although less than a month has gone by, my list of volunteers has nearly quadrupled. Also, someone suggested that I add a list of suggested areas of expertise. So, here is the latest list...)

As part of the multi-pronged strategy of Project SAVE THE BANDWIDTH, I will be compiling a directory of On-Line Elmers. These are people who, by virtue of skill and knowledge in an area of expertise in ham radio, are willing to field E-mail by readers of the rec.radio.* groups.

Volunteers need only send me their name, E-mail address, and area of expertise. As requested, here is a suggested list of areas of expertise that are needed:

1. Volunteer Examiners
2. Novice Instructors
3. DX'ers and Contesters
4. QRP
5. Homebrewers
6. Packet Ops (both AX.25 and TCP/IP)
7. VHF and Repeaters
8. OSCAR and other satellites
9. MARS (Military Affiliate Radio System)
10. CAP (Civil Air Patrol)
11. ARES (Amateur Radio Emergency Service)
12. RACES (Radio Amateur Civil Emergency Service)
13. Skywarn (Amateur Weather Spotters)
14. ARRL Field Organization (American Radio Relay League)

"Generalist" or "Miscellaneous" Elmers are also quite welcome. Naturally, the more that volunteer, the more the work is distributed. If upon volunteering, you are unable to meet your obligations, simply write to me and I will remove your name from the list. I could also add that because of "personal commitments" or "career broadening" you no longer are available to Elmer on a regular basis.

I will be the point-of-contact for this project. I will maintain the list, post it to the groups at least monthly, and have the latest copy placed in the supplemental archives at ftp.cs.buffalo.edu in subdirectory pub/ham-radio.

Here is the latest version of the list. If you sent me mail and are not on it, please resend as it may have been lost on the way or once it reached my host.

73, Paul, KD3FU

ACMNEWS@zeus.unomaha.edu uunet!unocss!zeus!acmnews 137.48.1.1
ps67@umail.umd.edu uunet!mimsy!umail!ps67 128.8.10.28

ON-LINE Elmers Resource Directory (as of 03/21/91)

John Brewer WB50AU

brewer@anarky.enet.dec.com

Miscellaneous, Wire antennas,

Dan Halbert, KB1RT
QTH is West Newton, MA, near Boston.

halbert@crl.dec.com

Building homebrew QRP gear, Advice on simple antennas

R.D. Keys

Dept. of Crop Science
NCSU
Raleigh, NC 27695-7620

rdkeys@ccvr1.cc.ncsu.edu

de NA4G, "Boat Anchor Bob", an ol' cw fart

If I can be of assistance in older equipment, junk-boxing
your way to hamdom, the cheapskate's approach, let me
know.

22 yrs a ham, extra class, mostly cw, mostly boat anchors
and radio in the traditional sense.

{Telegraphy has been in my family for almost 100 years!}

Dave Potter, K1MB0

potter@think.com

electronics theory, regulations, antennas and
transmission lines, operating practices.

Tony Reeves
KK6XC
QTH Beach Area of So. Los Angeles
Torrance, Redondo Beach, Hermosa Beach, Manhattan beach

tony@hacgate.scg.hac.com

Novice training, local VE for Novice-Tech tests,
General questions

Paul W. Schleck, KD3FU

acmnews@zeus.unomaha.edu
ps67@umail.umd.edu

Miscellaneous, Internet, College Clubs

Tom Sefranek WA1RHP

tcs@ll.mit.edu

Elmering for the last 20 years.
Almost all fields,
Specializing in power supplies, micro-controllers, antennas

Diana L. Syriac
Leominster, MA
dls@genrad.com
KC1SP

QSL Bureaus (how to use them)
Volunteer Examiner Service (how to become one)
Macintosh Hamstacks
Civil Air Patrol

Mike Waters AA4MW/7

waters@nddsun1.sps.mot.com

Miscellaneous

Bob Witte HP Colorado Springs Division
bobw@col.hp.com P.O. Box 2197
Phone: (719) 590-3230 Colorado Springs, CO 80901
Radio: KB0CY
"All Disclaimers Apply."

Miscellaneous

End of Directory

End of Info-Hams Digest
